

**HYDRAULIC CONTROL SYSTEM FOR A VARIABLE COMPRESSION
RATIO INTERNAL COMBUSTION ENGINE**

ABSTRACT

This patent application relates to Provisional Patent Application Confirmation No. 9946, Application No. 60/393,786, Filing Date 07/08/2002.

A moveable crankshaft assembly that is positioned by an hydraulic positioning device hydraulically connected to a constant pressure hydraulic reservoir. The hydraulic connections between the reservoir and the positioning device are equipped with pressure relief valves, or equivalent substitutes, connected in parallel to pass fluid in either direction to maintain the same pressure in the hydraulic positioning device as in the reservoir. A coupling is installed between the crankshaft and the power train that is capable of accommodating movement.

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